

**PATENT APPLICATION**

Sheet 1 of 5

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	10981971-5		
	APPLICANT		
	James R. Heath, et al.		
	FILING DATE	GROUP	
	Filed Herewith		

**REFERENCE DESIGNATION**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>DJW</i>	1A	6,314,019	11/6/2001	Kuekes et al.	Background Reference
	1B	6,128,214	10/3/2000	Kuekes et al.	Background Reference
	1C	6,256,767	7/3/2001	Kuekes et al.	Background Reference
	1D	3,975,623	8/17/76	Weinberger	Background Reference
	1E	4,208,728	6/17/80	Blahut et al.	Background Reference
	1F	5,475,341	12/12/95	Reed	Background Reference
	1G	5,729,752	3/17/98	Snider et al.	Background Reference
	1H	5,790, 771	8/4/98	Culbertson et al.	Background Reference
	1I	5,640,343	6/17/97	Gallagher et al.	Background Reference
	1J	5,519,629	5/21/96	Snider	Background Reference
	1K				

**FOREIGN PATENT DOCUMENTS**

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<i>DJW</i>	1L					
	1M					
	1N					
	1O					
	1P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

<i>DJW</i>	1Q	Heath, J.R., et al., "A Defect-Tolerant Computer Architecture: Opportunities for Nanotechnology", Science, Vol. 280, 12 June 1998, pp. 1716-1721.
	1R	Guo, L., et al., "Nanoscale Silicon Field Effect Transistors Fabricated Using Imprint Lithography", Applied Physics Letters, Vol. 71, 29 September 1997, pp. 1881-1883.
	1S	Morales, A.M., et al., "A Laser Ablation Method for the Synthesis of Crystalline Semiconductor Nanowires", Science, Vol. 279, 9 January 1998, pp. 208-268.

EXAMINER

*Douglas Wille*

DATE CONSIDERED

*28 Sept 04*

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Sheet 2 of 5

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	2L					
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	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>Rhe</i>	2Q	Heath, J.R., et al., "A Liquid Solution Synthesis of Single Crystal Germanium Quantum Wires", Chemical Physics Letters, Vol. 208, No 3, 11 June 1993, pp. 263-268.
<i>✓</i>	2R	Menon, V.P., et al., "Fabrication and Evaluation of Nanoelectrode Ensembles", Analytical Chemistry, Vol 67, July 1, 1995, pp. 1920-1928.
<i>✓</i>	2S	Guo, L., et al., "A Silicon Single-Electron Transistor Memory Operating at Room Temperature", Science, Vol. 275, 31 January 1997, pp. 649-651.

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	3P					

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)**

<i>Doc</i>	3Q	Trans, S. J., et al., "Room-Temperature Transistor Based on a Single Carbon Nanotube", Nature, Vol. 393, 7 May 1998, pp. 49-52.
{	3R	Likharev, K.K., "Correlated Discrete Transfer of Single Electrons in Ultrasmall Tunnel Junctions", IBM Journal of Research and Development, Vol. 32, No. 1, January 1998, pp. 144-158.
{	3S	Jones, R. E., et al., "Ferroelectric Non-Volatile Memories for Low-Voltage, Low-Power Applications", Thin Solid Films, Vol. 170, 1 December 1995, pp. 584-588.

<b>EXAMINER</b> <i>Douglas A. Wright</i>	<b>DATE CONSIDERED</b> <i>28 Sept 04</i>
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## PATENT APPLICATION

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FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>10981971-5</b>	APPLICATION NO.	CONFIRMATION NO.
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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Psec</i> 	4Q	Amabilino, D.B., et al., "Aggregation of Self-Assembling Branched [n]-Rotaxanes", New Journal of Chemistry, Vol. 22, no. 9, 11 September 1998, pp. 959-972.
	4R	Vossmeier, T., et al., "Combinatorial Approaches Toward Patterning Nanocrystals", Journal of Applied Physics, Vol. 84, No. 7, 1 October 1998, pp. 3664-3670.
	4S	Leff, D.V., et al., "Thermodynamic Control of Gold Nanocrystal Size: Experiment and Theory". The Journal of Physical Chemistry, Vol. 99, 4 May 1995, pp. 7036-7041.

EXAMINER

*Douglas Willis*

DATE CONSIDERED

*28 Sept 04*

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Sheet 5 of 5

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APPLICANT'S INFORMATION DISCLOSURE  
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(Use several sheets if necessary)

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	5P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

OK	5Q	Holloway, J.D., et al., "Electron-Transfer Reactions of Metallocenes: Influence of Metal Oxidation State on Structure and Reactivity", Journal of the American Chemical Society, Vol. 101, 11 April 1979, pp. 2038-2044
✓	5R	Mead, C., et al., "Introduction to VLSI Systems", Addison-Wesley, 1980, Chap. 3, Sect. 10, pp. 79-82.
	5S	

EXAMINER

Douglas Antle

DATE CONSIDERED

28 Sept 04